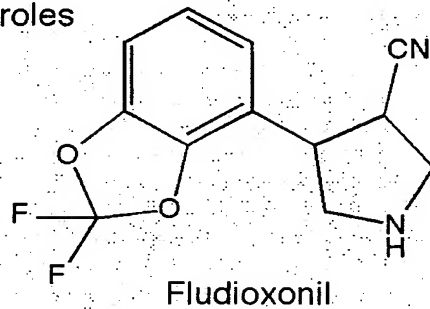


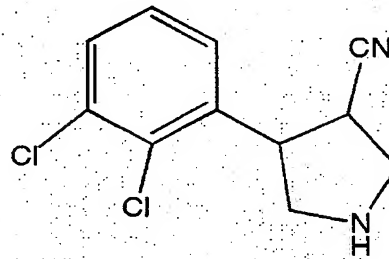
Fig. 1

Phenylpyrroles



Fludioxonil

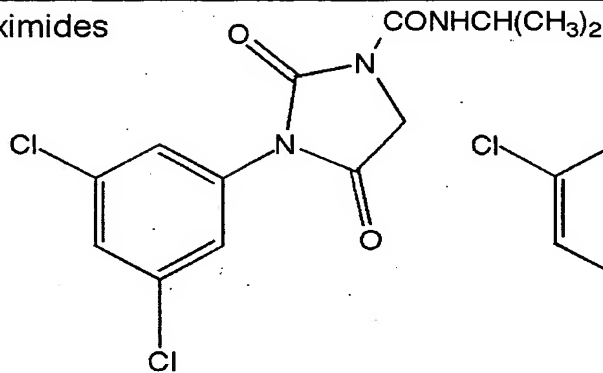
Vegetables, fruit trees



Fenpiclonil

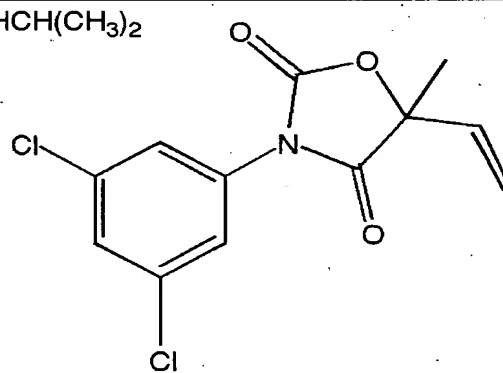
Seed disinfection of various plants

Dicarboximides



Iprodione

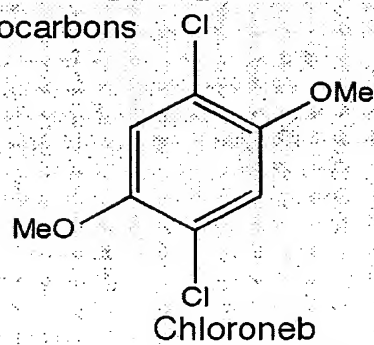
Vegetables, fruit trees, cereals



Vinclozolin

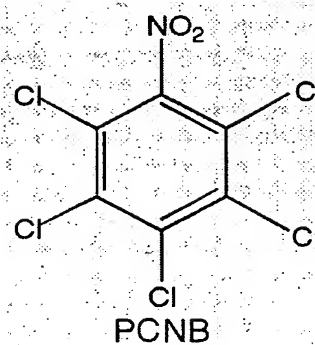
Vegetables, fruit trees

Aromatic hydrocarbons



Chloroneb

Turf

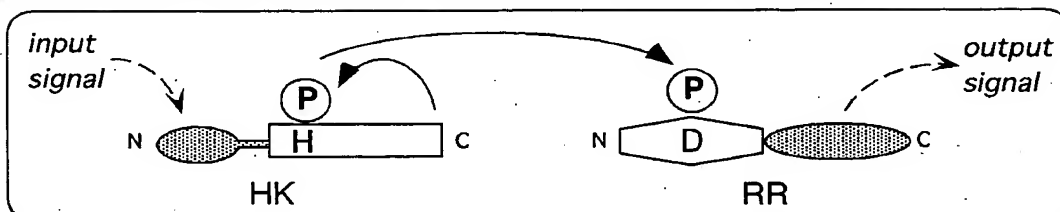


PCNB

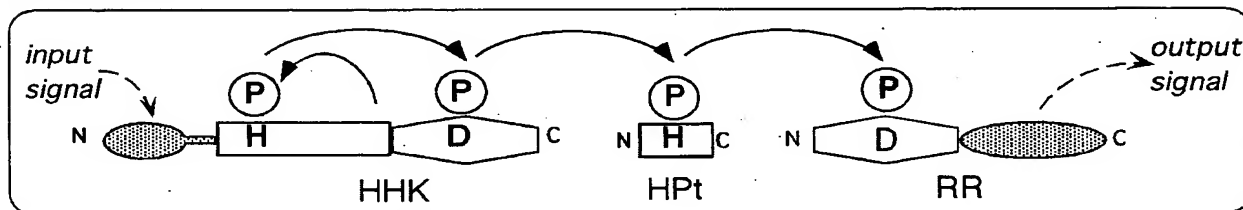
Vegetables




Fig. 2

Basic two-component signal transduction system (bacterial)



Two-component signal transduction system using hybrid-type histidine kinase (eukaryotic)



-  histidine kinase domain (HKD)
-  response regulator domain (RRD)
-  effector domain

HK: histidine kinase

RR: response regulator

HHK: hybrid-type histidine kinase

HPt: histidine containing phospho-transfer protein



Fig. 3

Os-1 family histidine kinase



Saccharomyces cerevisiae
histidine kinase (Sln1)



 histidine kinase domain
 response regulator domain

TMR: transmembrane region

Fig. 4

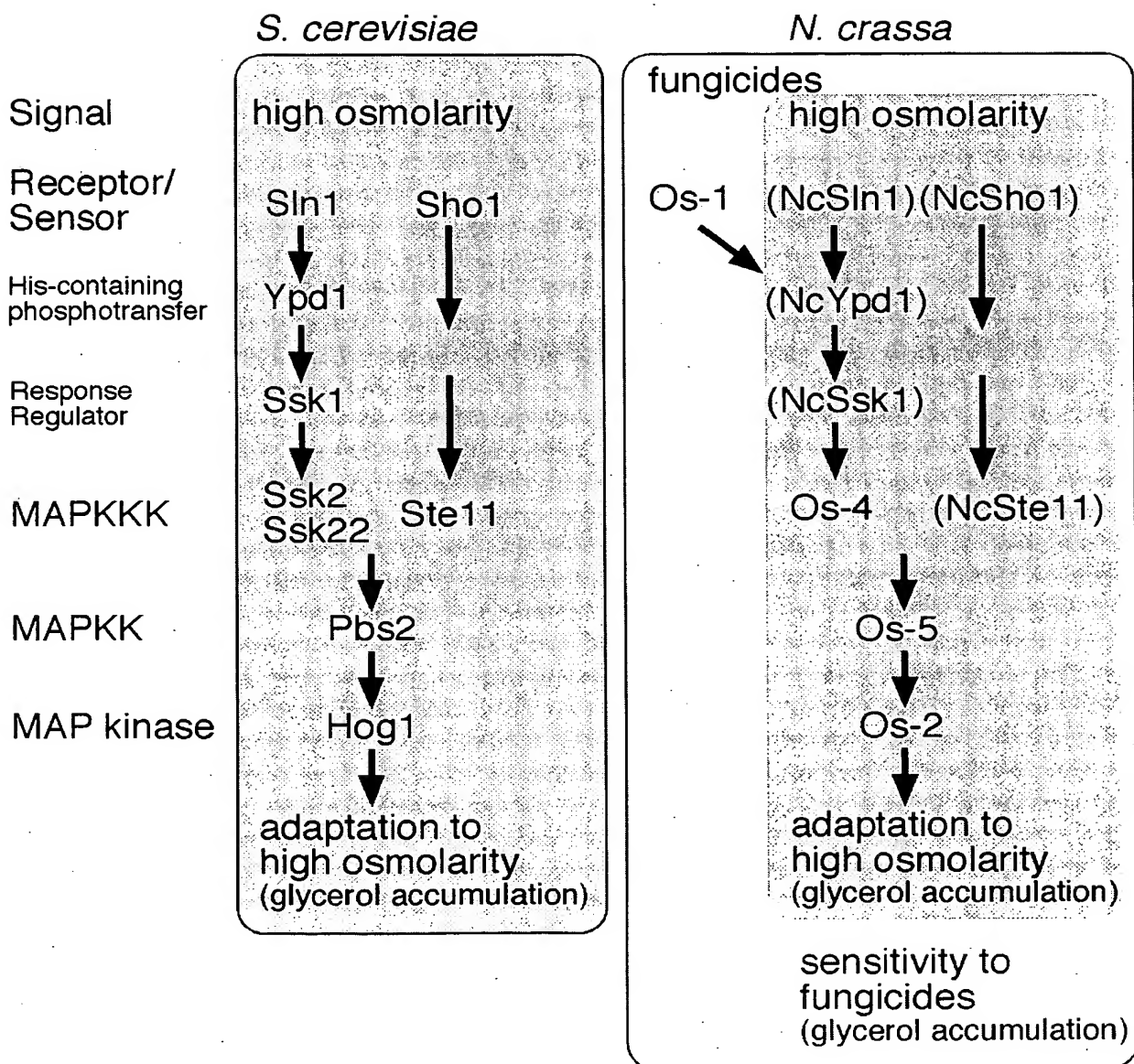


Fig. 5

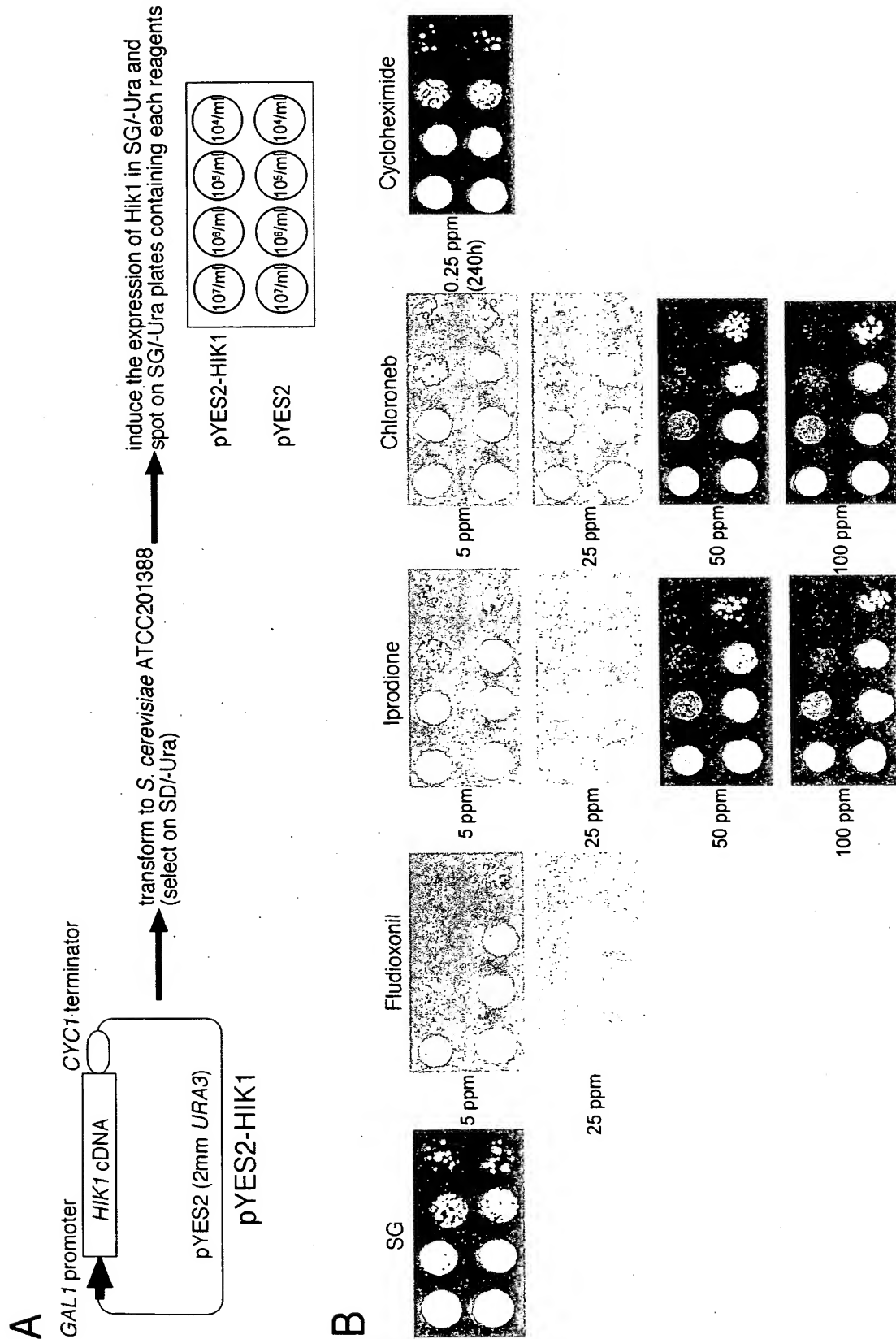


Fig. 6

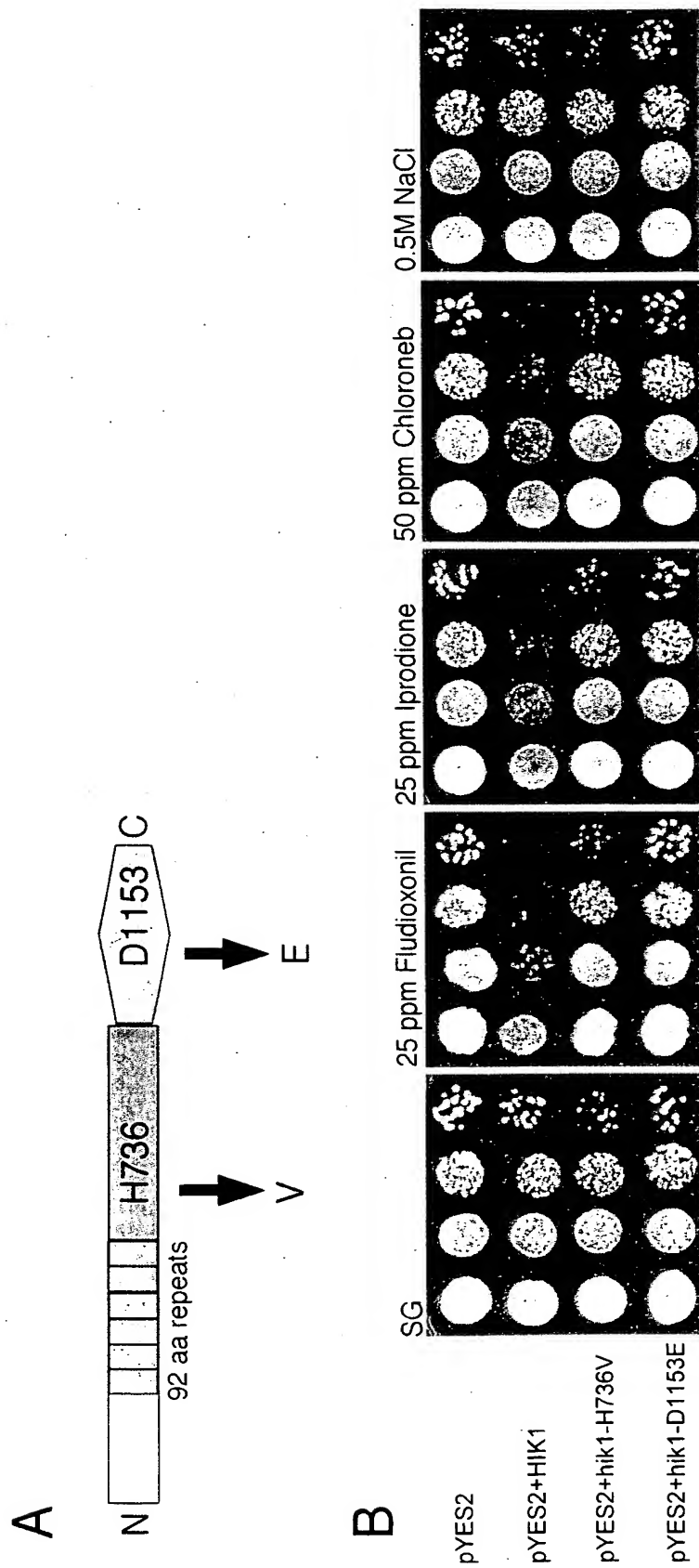
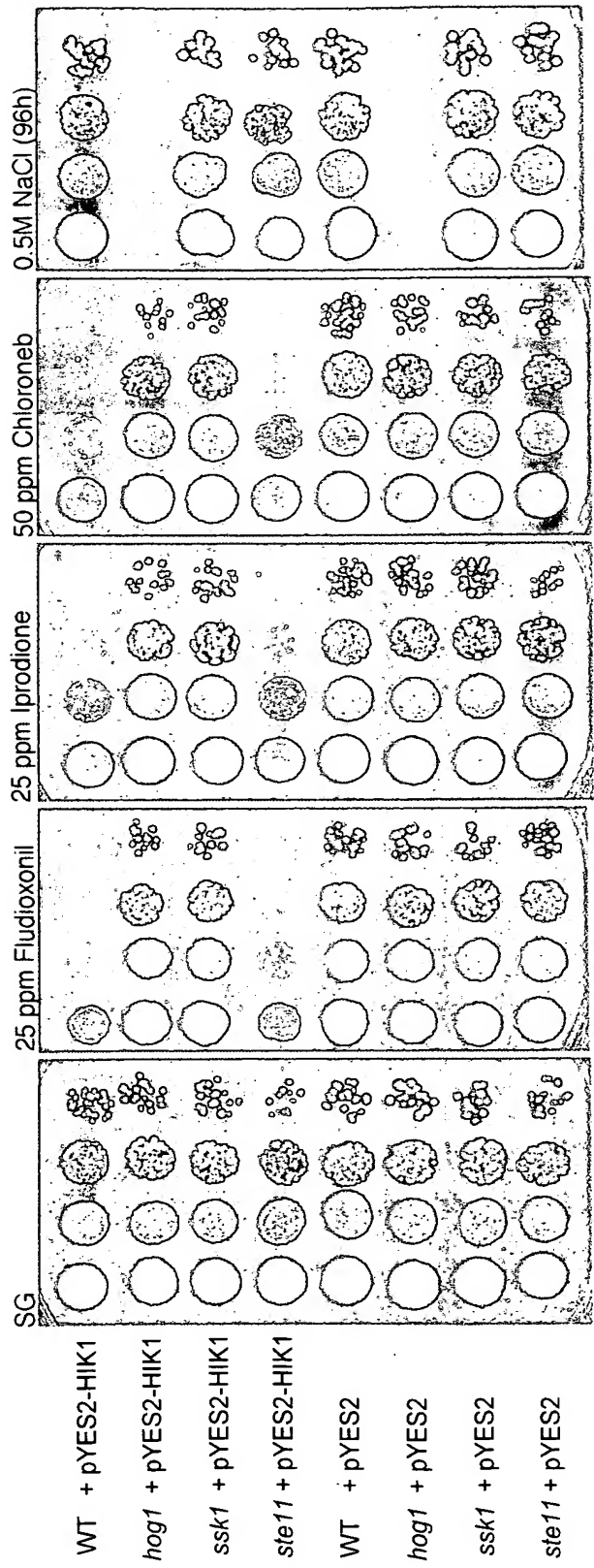


Fig. 7

A



B

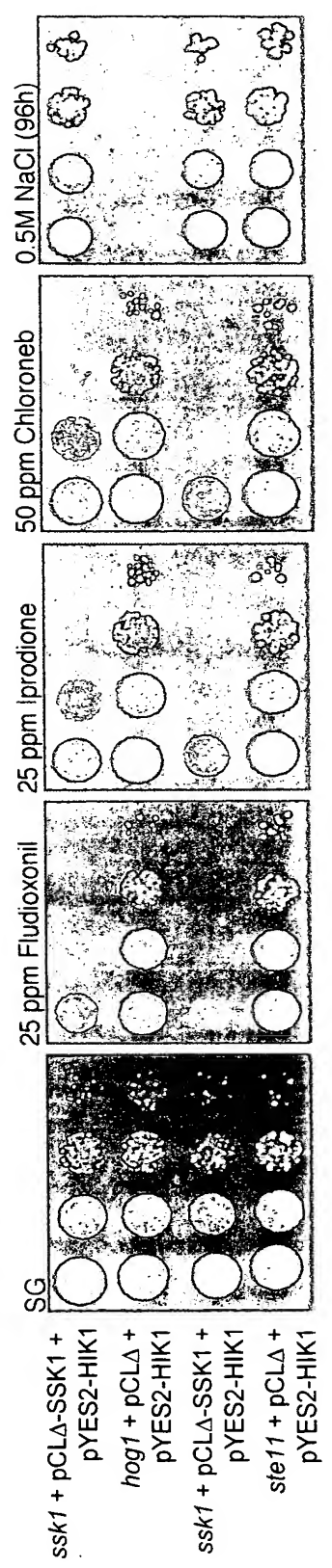


Fig. 8

